



MONTEREY BAY AIR RESOURCES DISTRICT ADVISORY COMMITTEE MEETING

ALLEN STROH, CHAIR

THURSDAY, December 4, 2025 – 1:30 P.M.

24580 Silver Cloud Court, Monterey, CA – Boardroom

REMOTE MEETING OPTION FOR PUBLIC

Link to meeting: <https://us02web.zoom.us/j/82286250082>

Webinar ID: 822 8625 0082

By Phone (audio only, Webinar ID required): 1-669-900-6833

Members of the public that wish to participate in the hearing may do so by joining the Zoom Webinar ID or in-person at 24580 Silver Cloud Ct. Monterey. Should you have any questions, please contact Sirie Thongchua, Executive Assistant, at (831) 718-8028 or by email at sirie@mbard.org.

To Provide Public Comment via Zoom teleconference/video conference: During the meeting live, verbal public comments may be made by members of the public joining the meeting via Zoom. Zoom access information is provided above. Use the “raise hand” feature (for those joining by phone, press *9 to “raise hand”) during the public comment period for the agenda item you wish to address. Members of the public participating via Zoom will be muted during the proceedings and may be unmuted to speak during public comment after requesting and receiving recognition by the Chair. Please clearly state your full name for the record at the start of your public comment.

Before the Meeting: Persons who wish to address the Advisory Committee for public comment of an item not on the agenda are encouraged to submit comments in writing to Sirie Thongchua, Executive Assistant, at sirie@mbard.org by 5:00 p.m. on Wednesday, December 3, 2025. Comments received will be distributed to the Advisory Committee prior to the meeting.

SUMMARY OF ACTIONS

1. Call to Order – **The meeting was called to order by Chair Stroh at 1:30 p.m.**
2. Roll Call – **Present:** Janet Brennan, Sandy Coplin, Zane Hatchett, Seth Gustafson, Matthew McCluney, Scott Storm, Allen Stroh. **Absent:** Ramon Gomez, Sandy Swint, Caitlyn Turley.
3. Changes to the Agenda – **None.**
4. Public Comment Period – **None.**
5. **Accepted** and **Filed** Summary of Actions for the Advisory Committee Meeting of October 2, 2025
6. **Received** a Presentation on the Proposed Zero-Emission Utility Terrain Vehicles Program
7. **Received** a Presentation for the Proposed Electric Vehicle Charging Infrastructure Program
8. **Received** Monthly Oral Report from Air Pollution Control Officer
Richard Stedman, Air Pollution Control Officer, reported on the following:
Happy Holidays!

October 15, 2025 Board Meeting

- Received update on MBARD's Air Toxics Program
- Approved Staff-Recommended AB 2766 Grant Projects

District Business

Compliance and Engineering

- New employee: Grace Garbacz, Air Quality Engineer I
- To ensure the documents on our website meet accessibility requirements, we have implemented a tool called DocAccess from our website provider. Doc Access can automatically switch to an accessible view of a document and translate the document into many languages. This tool efficiently converts documents to the required accessibility standard, saving our staff time from manually converting them.
- Engineering issued an Authority to Construct to Verdagy Inc. for a pilot project, a hydrogen-fueled linear generator. This is the first hydrogen-fueled linear generator research and development project; other linear generators permitted by MBARD have been fueled with natural gas. A linear generator uses a low-temperature air reaction of air and fuel to drive magnets through copper coils, producing electricity with near-zero NOx emissions.

- Odor complaints - Our inspectors have been busy responding to complaints for the past few weeks. We received 61 odor complaints between September 16th and October 8th from residents located in Marina, East Garrison, South Salinas, and along River Road in Salinas. MBARD inspectors investigated the odor complaints and verified odors emanating from the City of Salinas Industrial Wastewater Treatment facility on David Road. MBARD has a permit for the plant, which processes wastewater from 22 industrial sources via connections that discharge water to the treatment plant. It is believed the pond water odors were caused by low oxygen levels in the water, from sources such as algae growth or anaerobic bacteria breaking down organic matter, which produce foul-smelling gases such as hydrogen sulfide. To address the issue, the City acquired additional aerators to increase oxygen in the water and drove a boat in the pond to help mix the water. MBARD issued a violation to the City on September 29 and, by October 8th, confirmed the odors had substantially decreased and were no longer a nuisance. We have not received any additional odor complaints since October 8th.
 - MBARD inspectors also found minor odors from Tanimura and Antle ponds along River Road in Spreckels. The largest pond was drained, and the smaller ponds were chemically treated. The inspector also observed Brussel sprouts and broccoli being harvested, which added to the odors in the area.

Air Monitoring and Planning

Air Monitoring

- CARB conducted a Technical Systems Audit of the air monitoring program in September. This audit is required by the EPA every 5 years. It covers compliance with established regulations and guidance governing the collection, analysis, validation, and reporting of ambient air quality data. These audits identify opportunities for program innovation and improvement, strengthen programs, and provide feedback.

Planning

- Planning staff have been working with DTSC and the Army on the planned 287-acre prescribed burn at the former Ft. Ord. The burn window is now open; however, the burn will not take place during the government shutdown. MBARD has received a \$198,012 grant from DTSC to cover administrative costs for smoke management activities and public response.
- The Monterey Bay Electric Vehicle Incentive Program, which offers residents an incentive to purchase new and used all-electric or plug-in electric vehicles, is continuing. \$500,000 has been budgeted for the program using funds from local DMV fees. So far, 253 applications have been received, and \$333,000 has been obligated. Tesla Model Y is the most common vehicle for all applications.
- The 2025-26 Woodstove Change Out Program, which offers incentives to replace non-EPA certified wood stoves, fireplace inserts, and open-hearth fireplaces with cleaner

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home heating devices, launched in September. The program is open to residents of disadvantaged communities and low-income areas, as well as low-income applicants outside those areas. Eight applications have been received so far.

Outreach

- Planning Staff attended an electric vehicle ride-and-drive event organized by Ecology Action at Watsonville High School on October 4th to promote the Electric Vehicle Incentive Program.
- Planning Staff set up an outreach table at the Good Fire Faire at Henry Cowell Redwoods on October 11. The event provided an opportunity to educate the community on effective smoke management strategies for open burning.
- APCO attended a press conference in Santa Barbara celebrating the signing of AB 14, the Protecting Blue Skies and Blue Whales program. The voluntary program encourages container ship speed reductions along California's coast, helping reduce whale strikes and air pollution.
- MBARD held its annual staff training day on September 30 at the Asilomar meeting facility. The keynote speaker was Matt Lakin, former Region 9 EPA Air Director. Staff participated in air quality training and exercises while having fun.
- MBARD held its annual Board Retreat on November 17, 2025, at Hartnell College – Alisal Campus.

9. Future Agenda Items – **None.**

10. Chairman's Comments – Chair Stroh thanked Executive Assistant Sirie Thongchua for helping the committee schedule and clerk meetings in 2025.

11. Comments from Committee Members – **None.**

12. Order for Adjournment – **The meeting adjourned at 2:22 p.m.**

Sirie Thongchua
Executive Assistant

Zero-Emission Utility Terrain Vehicles (ZEUs) Program

Advisory Committee Presentation
December 4, 2025
Michael Purugganan, Air Quality Planner I



1

What is a Utility Terrain Vehicle (UTV)?

- Designed to travel on four or more wheels over rough terrain
- Engine size ≤ 1.0 liter
- Maximum power ≤ 40 hp
- Agriculture, landscape maintenance, campus operations etc.

13 CCR § 2411



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Background

- September 2020 → Executive Order N-79-20
 - Zero emissions by 2035
- October 2024 → Updated Moyer and FARMER guidelines
 - Zero-Emission UTV sections
 - Optional administrative process
- August 2025 → CARB Grant Programs Policies and Procedures Manual
 - New ZEUs Program



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Emissions Reductions

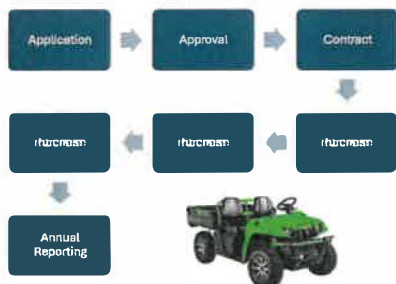
- Off-Highway Recreational Vehicles (OHRV)
- Surplus emissions reductions
- 1 OHRV > 30 passenger cars

EPA420-F-01-030



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ZEUs Program Overview



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ZEUs Program Components

Agricultural Operations

- FARMER guidelines
- Baseline UTV, ATV or tractor < 25 hp older than 5 years
- Required hour meter
- Annual reporting



Public Agencies & Nonprofits

- Moyer guidelines
- Baseline UTV only
- No required hour meter
- No annual reporting



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Funding and Incentive Amounts

- Total Project Funds = \$200,000
 - Agricultural operations → \$100,000 FARMER funding
 - Public agencies & nonprofits → \$100,000 Moyer funding
- Incentive Amount = 75% of eligible costs up to \$13,500



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ZEUs Program Administration

- Optional administrative process
 - No required inspections
- Streamline process with Laserfiche
 - Online in English and Spanish
 - Upload pictures, videos, documents
 - Multi-step approval
 - Automated drafting of grant contracts
 - Automated email communication



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Replacement UTVs

- New zero-emission UTV
- Towing capacity ≥ 500 lbs
- Total vehicle weight ≥ 700 lbs
- Warranty ≥ 1 year



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Questions & Guidance



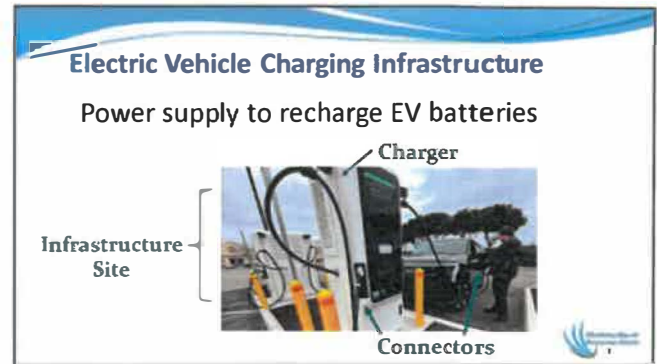
Thank you!



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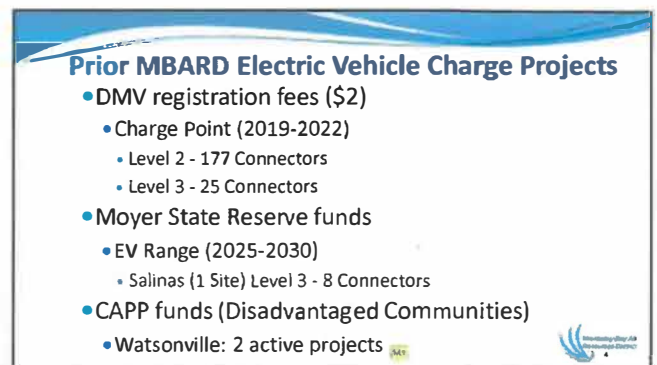


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Overview – Electric Vehicle Charger Types

	Level 1	Level 2	Level 3 (DCFC)
Voltage	120 V AC	208 - 240 V AC	400 V - 1000 V DC
Typical Power Output	1 kW	7 kW - 15 kW	50 - 100 kW
Estimated Charge Time from Empty to 80%	10 - 50 hours	4 - 10 hours	20 minutes - 1 hour
Estimated Range per Hour of Charging	2 - 5 miles	10 - 20 miles	100 - 200 miles
Typical Locations	Home	Home, Work, Public	Public

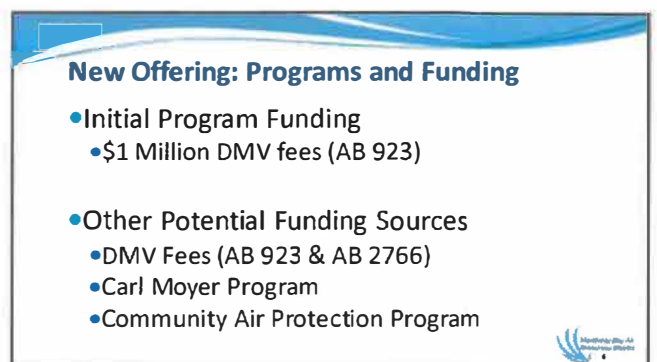
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Charging Infrastructure Program (ChIP)

- Formal and standardized application system
 - Receive Applications
 - Evaluate eligibility requirements
 - Direct project to best funding source
 - Competitive bid requirement
 - Reimburse after post inspection
- Expected to Launch Program in Spring 2026



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Eligible Projects

- Publicly-accessible
 - Public entities (municipalities, schools)
 - Commercial Businesses
 - Nonprofits
- Project Types (Levels 2 & 3)
 - New charging infrastructure
 - Upgrades to existing infrastructure



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Project Location Targets

- Corridors (Highways 101 and 1)
- Workplaces
- Destinations
- Schools
- Multi-unit dwellings
- Disadvantaged Communities



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Project Funding Limits

- Based on Program Guidelines:
 - CMP baseline: 60% eligible costs
 - CAPP baseline: 65% eligible costs
 - Maximums:
 - \$10k per Level 2 Connector
 - \$300k per Level 3 Project



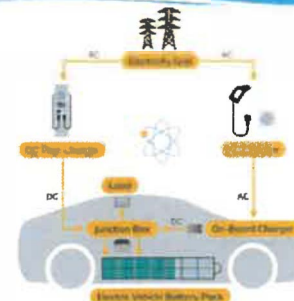
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Questions, Comments, Suggestions

Thank you!



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